

Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

1. (Currently Amended) A method for delivering information from a first device to a second device, comprising the steps of:

(1) generating an event representative of a modification to a first data object, ~~wherein the first device stores the first data object in a first representation, wherein after the modification the first data object includes first information; and~~

(2) delivering said event to the second device, ~~wherein the second device stores a second data object including second information, comprising one or more of steps (a) (c):~~

(a) ~~pushing said event to the second device;~~
(b) ~~transferring said event to the second device during a sync operation; and~~
(c) ~~transferring said event to the second device in response to a request from said second device while said second device is being used to surf a network~~

determining that the second device has transitioned from an off-line state to an on-line state;

determining a content of a batch of information based on state of data on the second device, wherein the batch includes the event and wherein the state of data on the second device is stored on the first device; and

delivering the batch of information to the second device;

wherein said event is processed on the second device to recover the modification, ~~wherein the second device stores the second data object in a second representation, wherein the second representation differs from the first representation,~~ wherein the second device updates ~~a~~ the second data object based on the recovered modification, and wherein the first device stores the first data object in first representation and the second device stores the second data object in a second representation; differences between the first information and the second information are not maintained by the first device

(3) updating, at the first device, the state of data on the second device based on a confirmation received from the second device, wherein the received confirmation indicates at least that the modification was successfully processed at the second device.

2-15. (Canceled)

16. (Currently Amended) A method for delivering information from a first device to a second device, comprising the steps of:

(1) generating an event representative of a modification to a first data object, wherein the first device stores the first data object in a first representation, wherein after the modification the first data object includes first information; and

(2) delivering said event to the second device, wherein the second device stores a second data object including second information, comprising:

~~the step of transferring said event to the second device during a sync operation;~~
wherein step (2) further comprises:

[[~~(i)~~]] accessing providers for information using state information maintained on behalf of said second device;

[[~~(ii)~~]] receiving said information from said providers, wherein said information is used to generate said event; ~~and~~

~~(iii) — sending said information to said second device~~

determining that the second device has transitioned from an off-line state to an on-line state;

determining a content of a batch of information based on state of data on the second device, wherein the batch includes the event and wherein the state of data on the second device is stored on the first device; and

delivering the batch of information to the second device;

wherein said event is processed on the second device to recover the modification, wherein the second device stores the second data object in a second representation, wherein the second representation differs from the first representation, wherein the second device updates the second data object based on the recovered modification, and wherein the first device stores the first data object in first representation and the second device stores the second data object in a second representation; ~~differences between the first information and the second information are not maintained by the first device~~

(3) updating, at the first device, the state of data on the second device based on a confirmation received from the second device, wherein the received confirmation indicates at least that the modification was successfully processed at the second device.

17 - 20. (Canceled)

21. (Currently Amended) A method for delivering information from a first device to a second device, comprising the steps of:

(1) generating one or more modification events representative of a modification made to a data object, wherein after the modification the first data object includes first information; and

(2) forwarding said modification events to a second device identified as a recipient of said events, comprising:

determining that the second device has transitioned from an off-line state to an on-line state;

determining a content of a batch of information based on state of data on the second device, wherein the batch includes the event and wherein the state of data on the second device is stored on the first device; and

delivering the batch of information to the second device;

wherein the second device stores a second data object including second information, wherein said second device processes said events to recover the modification, wherein the second device stores the second data object in a second representation, wherein the second representation differs from the first representation, wherein the second device updates the second data object based on the recovered modification, and wherein the first device stores the first data object in first representation and the second device stores the second data object in a second representation; ~~differences between the first information and the second information are~~

~~not maintained by the first device~~

(3) updating, at the first device, the state of data on the second device based on a confirmation received from the second device, wherein the received confirmation indicates at least that the modification was successfully processed at the second device.

22 - 29 (Canceled)

30. (Currently Amended) A computer system for delivering information from a first device to a second device, comprising:

a processor configured to generate an event representative of a modification to a first data object, wherein the first device is configured to store the first data object in a first representation, wherein after the modification the first data object includes first information; and

a communications interface configured to deliver said event to the second device, comprising:

~~means for pushing said event to said second device,~~

~~means for transferring said event to the second device during a sync operation, and~~

~~means for transferring said event to the second device in response to a request from said second device while said second device is being used to surf a network~~

means for determining that the second device has transitioned from an off-line state to an on-line state;

means for determining a content of a batch of information based

on state of data on the second device, wherein the batch includes the event and wherein the state of data on the second device is stored on the first device; and
means for delivering the batch of information to the second device;

wherein the second device is configured to store a second data object in a second representation, wherein the second device stores a second data object including second information, wherein the second representation is different than the first representation, wherein the second device is configured to process the event to recover the modification, wherein the second device is configured to update the second data object based on the recovered modification, and wherein the first device stores the first data object in first representation and the second device stores the second data object in a second representation; differences between the first information and the second information are not maintained by the first device

means for updating, at the first device, the state of data on the second device based on a confirmation received from the second device, wherein the received confirmation indicates at least that the modification was successfully processed at the second device.

31. (Previously Presented) The method of claim 1, wherein the second device is a data processing device.

32. (Previously Presented) The method of claim 1, wherein the second device is a data communications device.

33 - 36. (Canceled)

37. (Previously Presented) The method of claim 16, wherein the second device is a data processing device.

38. (Previously Presented) The method of claim 16, wherein the second device is a data communications device.

39 - 42. (Canceled)

43. (Previously Presented) The method of claim 21, wherein the second device is a data processing device.

44. (Previously Presented) The method of claim 21, wherein the second device is a data communications device.

45. (Canceled)

46. (Previously Presented) The computer system of claim 30, wherein the device is a data processing device.

47. (Previously Presented) The computer system of claim 30, wherein the

device is a data communications device.

48 - 49. (Canceled)

50. (Currently Amended) A computer program product comprising a tangible computer usable medium having computer readable program code means stored ~~embodied~~ in said medium for a first device to deliver information to a second device, said computer readable program code means comprising:

a first computer readable program code means for enabling a processor to generate an event representative of a modification to a first data object, wherein the first device stores the first data object in a first representation, wherein after the modification the first data object includes first information; and

a second computer readable program code means for enabling a processor to deliver said event to the second device, comprising: ~~computer readable program code means for enabling a processor to transfer said event to the second device during a sync operation, wherein the second device stores a second data object including second information;~~

~~wherein said second computer readable program code means further comprises:~~

a computer readable program code means for enabling a processor to access providers for information using state information maintained on behalf of said second device;

a computer readable program code means for enabling a processor to receive said information from said providers, wherein said information is used to

generate said event; ~~and~~

~~a computer readable program code means for enabling a processor to send
said information to said second device~~

a computer readable program code means for enabling a processor
to determine that the second device has transitioned from an off-line state to an on-line
state;

a computer readable program code means for enabling a processor
to determine a content of a batch of information based on state of data on the second
device, wherein the batch includes the event and wherein the state of data on the second
device is stored on the first device; and

a computer readable program code means for enabling a processor
to deliver the batch of information to the second device,

wherein said second device processes said event to recover the modification,
wherein the second device is configured to store the second data object in a second
representation, wherein the second representation is different than the first
representation, wherein the second device is configured to update the second data object
based on the recovered modification, and wherein the first device stores the first data
object in first representation and the second device stores the second data object in a
second representation; differences between the first information and the second
information are not maintained by the first device

a computer readable program code means for enabling a processor to
update, at the first device, the state of data on the second device based on a confirmation
received from the second device, wherein the received confirmation indicates at least that

the modification was successfully processed at the first device.

51. (Canceled)

52. (Currently Amended) A method in a first device for receiving information, comprising the steps of:

storing a first data object in a first representation on the first device, wherein the first data object includes first information;

~~receiving an event from a second device~~

transitioning from an off-line state to an on-line state;

receiving a batch of information from a second device, wherein the batch of information includes an event,

wherein the event is representative of a modification to a second data object at the second device, wherein the second device is different from the first device, wherein the second data object includes second information, wherein the second device stores the second data object in a second representation, and wherein the first representation differs from the second representation, ~~and wherein differences between the first information and the second information are not maintained by the second device;~~

processing said event on the first device to recover the modification; ~~and~~

updating the first data object according to the recovered modification; and

transmitting a confirmation to the second device that indicates at least that the modification was successfully recovered.

53. (Currently Amended) A device, comprising:

a memory configured to store a first data object in a first representation, wherein the first data object includes first information;

~~means for receiving an event from a second device~~

means for transitioning from an off-line state to an on-line state;

means for receiving a batch of information from a second device, wherein the batch of information includes an event,

wherein the event is representative of a modification to a second data object at the second device, wherein the second device is different from the first device, wherein the second data object includes second information, wherein the second device stores the second data object in a second representation, and wherein the first representation differs from the second representation, ~~and wherein differences between the first information and the second information are not maintained by the second device;~~

means for processing said event on the first device to recover the modification;

and

means for updating the first data object according to the recovered modification;

and

transmitting a confirmation to the second device that indicates at least that the modification was successfully recovered.

54. (Currently Amended) A computer program product comprising a tangible computer usable medium having computer readable program code means ~~embedded~~ stored in said medium for enabling a processor in a device to receive information, said

computer readable program code means comprising:

a first computer readable program code means for enabling a processor to store a first data object in a first representation on a first device, wherein the first data object includes first information;

~~a second computer readable program code means for enabling a processor to receive an event from a second device~~

a second computer readable program code means for enabling a processor to transition from an off-line state to an on-line state;

a third computer readable program code means for enabling a processor to receive a batch of information from a second device, wherein the batch of information includes an event,

wherein the event is representative of a modification to a second data object at the second device, wherein the second device is different from the first device, wherein the second data object includes second information, wherein the second device stores the second data object in a second representation, and wherein the first representation differs from the second representation, ~~and wherein differences between the first information and the second information are not maintained by the second device;~~ and

a ~~third~~ fourth computer readable program code means for enabling a processor to process said event to recover the modification; ~~and~~

a ~~fourth~~ fifth computer readable program code means for enabling a processor to update the first data object according to the recovered modification; and

a sixth computer readable program code means for enabling a processor to transmit a confirmation to the second device that indicates at least that the modification

was successfully recovered.

55. (Previously Presented) The method of claim 1, wherein the first representation and the second representation are platform specific or device specific.

56. (Previously Presented) The method of claim 1, wherein the first representation and the second representation are format specific or standard specific.

57. (Previously Presented) The method of claim 1, wherein the event is an email.

58. (Previously Presented) The method of claim 57, wherein an attachment of the email is configured to be parsed to recover the modification.

59. (Previously Presented) The method of claim 57, wherein a body of the email is configured to be parsed to recover the modification.

60. (Previously Presented) The method of claim 57, wherein the email is configured to be recognized as an event.

61- 62. (Canceled)

63. (Previously Presented) The computer system of claim 30, wherein

the first representation and the second representation are platform specific or device specific.

64. (Previously Presented) The computer system of claim 30, wherein the first representation and the second representation are format specific or standard specific.

65. (Previously Presented) The computer system of claim 30, wherein the event is an email.

66. (Previously Presented) The computer system of claim 65, wherein an attachment of the email is configured to be parsed to recover the modification.

67. (Previously Presented) The computer system of claim 65, wherein a body of the email is configured to be parsed to recover the modification.

68. (Previously Presented) The computer system of claim 65, wherein the email is configured to be recognized as an event.

69. (Previously Presented) The method of claim 52, wherein the first representation and the second representation are platform specific or device specific.

70. (Previously Presented) The method of claim 52, wherein the first

representation and the second representation are format specific or standard specific.

71. (Previously Presented) The method of claim 52, wherein the event is an email.

72. (Previously Presented) The method of claim 71, further comprising:
parsing an attachment of the email to recover the modification.

73. (Previously Presented) The method of claim 71, further comprising:
parsing a body of the email to recover the modification.

74. (Previously Presented) The method of claim 71, further comprising:
recognizing the email as an event.

75. (Previously Presented) The device of claim 53, wherein the first representation and the second representation are platform specific or device specific.

76. (Previously Presented) The device of claim 53, wherein the first representation and the second representation are format specific or standard specific.

77. (Previously Presented) The device of claim 53, wherein the event is an email.

78. (Previously Presented) The device of claim 77, wherein the parsing means is configured to parse an attachment of the email to recover the modification.

79. (Previously Presented) The device of claim 77, wherein the parsing means is configured to parse a body of the email to recover the modification.

80. (Previously Presented) The device of claim 77, further comprising:
recognizing means configured to recognize the email as an event.

81. (Previously Presented) The computer program product of claim 54, wherein the first representation and the second representation are platform specific or device specific.

82. (Previously Presented) The computer program product of claim 54, wherein the first representation and the second representation are format specific or standard specific.

83. (Previously Presented) The computer program product of claim 54, wherein the event is an email.

84. (Previously Presented) The computer program product of claim 83, wherein an attachment of the email is configured to be parsed to recover the modification.

85. (Previously Presented) The computer program product of claim 83, wherein a body of the email is configured to be parsed to recover the modification.

86. (Previously Presented) The computer program product of claim 83, wherein the email is configured to be recognized as an event.

87. (New) The method of claim 1, wherein the batch includes information needed to make a content of data objects stored on the second device consistent with content of corresponding data objects stored on the first device.

88. (New) The system of claim 30, wherein the batch includes information needed to make a content of data objects stored on the second device consistent with content of corresponding data objects stored on the first device.